

Please replace the paragraph beginning at page 17, line 6, with the following rewritten paragraph:

A2
Next, the decryption function unit 2022, using the read decryption key K_s , decrypts the received encrypted connected information $E(F(m, R_a), K_p, r)$ according to the decryption algorithm, so as to generate a decrypted connected information $D(E(F(m, R_a), K_p, r), K_s)$, and outputs the decrypted connected information to the information removing unit 2250.